Structures Test Laboratory (STL)
Test Request Worksheet

This worksheet will facilitate the development of a cost and schedule estimate for utilizing the STL. Please complete this form and submit to the STL Laboratory Manager, christopher.p.briggs@nasa.gov

Test Requester Information

Test Article Expert:	Contact Information (Phone, E-mail, Address):

Test Objectives

Purpose of Test:

Test Article

Test Article Description:	
Physical Dimensions (L/W/H):	Weight:

Test Article Handling Requirements

Cleanliness Level:	Controlled Access:
Special Moving/Handling:	

Test Environment

Complete the Test Environment table below for steady state conditions or provide a plot of the test environment to be simulated for a continuous environment.

	Load Case 1 ☐	Load Case 2 ☐	Load Case 3 ☐	Load Case 4 ☐	Load Case 5 ☐
No. of Loadtrains					
Load/Displacement Control					
Maximum Load/Displacement					
Load/Displacement Increments					
Ramp Rate					
Hold Time					
Wave Form					

Operation Limits

Inner Upper Limit					
Inner Lower Limit					
Outer Upper Limit					
Outer Lower Limit					

Percent Error Limit

Inner Upper Limit					
Inner Lower Limit					
Outer Upper Limit					
Outer Lower Limit					

* Data is only required in each column where the parameter is significant to your desired test environment.

Test Article Interface

	Load Case 1 ☐	Load Case 2 ☐	Load Case 3 ☐	Load Case 4 ☐	Load Case 5 ☐
Design					
Component Models					
Assembly Models					
Drawings					
Comments:					
Fabrication					
Component Hardware					
Comments:					
Test Buildup					
Comments:					
Requester Supplied Items					
List materials, instruments supplied by Test Requester:					

Operational Requirements

Proposed Test Start Date:	Critical Test Start Date:
Quality Support (Yes/No):	

Data Acquisition and Recording

Number of Channels:	Video Recording (Yes/No):
Sampling Rates:	Photographic Film (Yes/No):
Real-Time Data Processing (Yes/No):	High Speed/Low Speed:
Data File (ASCII/Excel):	Plots (Yes/No):

Data

Temperature ☐	Load ☐	Deflection ☐	Pressure ☐	Time ☐	Strain ☐

Instrumentation Provided by Test Requester:

Designs/Drawings

We can accept files through a File Transfer Protocol (FTP) site, by e-mail, or via standard mail.

1. E-mail drawings to christopher.p.briggs@nasa.gov.
2. The Test Director will send an invitation to the NASA FTP site to upload and send files.
3. Mail drawings to National Aeronautics and Space Administration, Attention Chris Briggs, Mail Code ES4, Lyndon B. Johnson Space Center, Houston, TX 77058

Other Information

List any other information pertinent to the test:

Test Article Hazard Checklist

A hazard analysis statement is required for any of the following applicable attributes of any of your provided hardware (e.g., test article, support equipment).

Hazard	Y	N	Comments
Mechanical	☐	☐	
Handling (> 40 lb or > 4 ft in any dimension)	☐	☐	
Instability	☐	☐	
Sharp Edges	☐	☐	
Pinch Points	☐	☐	
Exposed Mechanisms (e.g., rotating, reciprocating)	☐	☐	
Pressure Systems	☐	☐	
Stored Energy (e.g., springs, weights, flywheels)	☐	☐	
Ejected Parts, Projectiles	☐	☐	
Electrical	☐	☐	
Voltage (> 50 volts)	☐	☐	
Batteries	☐	☐	
Generation/Storage (e.g., coils, magnets, capacitors)	☐	☐	
Electrostatic Sensitive Devices	☐	☐	
Thermal	☐	☐	
Hot Surfaces (> 113 ^{o}F, 45 ^{o}C)	☐	☐	
Heaters	☐	☐	
Cold Surfaces (< 39 ^{o}F, 4 ^{o}C)	☐	☐	
Cooling Devices	☐	☐	

Hazard	Y	N	Comments
Radiation	☐	☐	
Ionizing	☐	☐	
Non-Ionizing	☐	☐	
Laser	☐	☐	
Microwave	☐	☐	
Infrared (IR)	☐	☐	
Ultraviolet (UV)	☐	☐	
Radio Frequency (RF)	☐	☐	
Visible Light, High Intensity	☐	☐	
Material	☐	☐	
Uncontained Brittle Materials	☐	☐	
Test Environment Incompatibility	☐	☐	
Contained Fluids	☐	☐	
Toxic, Corrosive, Flammable Fluids	☐	☐	
Biohazards	☐	☐	
Miscellaneous	☐	☐	
Noise Level (> 85 dBA)	☐	☐	
Ultrasonic	☐	☐	
Pyrotechnics/Explosives	☐	☐	